SPE RESPONSE FOR CERTIFICATE OF CORRECTION

US 6,872,523 **Paper No.**:0406

DATE : April 12, 2006

TO SPE OF : ART UNIT 1634

SUBJECT : Request for Certificate of Correction on Patent No.:

A response is requested with respect to the accompanying request for a certificate of correction.

Please complete this form and return with file, within **7** days to:
Certificates of Correction Branch - PK 3-910
Palm location **7590** - Tel. No. 305-8201

With respect to the change(s) requested, correcting Office and/or Applicant's errors, should the patent read as shown in the certificate of correction? No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Thank You For Your Assistance **Certificates of Correction Branch**

The request for issuing the above-identified correction(s) is hereby:
Note your decision on the appropriate box.

☒ **Approved** **All** changes apply.

☐ **Approved in Part** Specify below which changes **do not** apply.

☐ **Denied** State the reasons for denial below.

Comments:

Each of the corrections requested appear to have been an error on the part of the office in printing the allowed claims.

RAM R. SHUKLA, PH.D.
SUPERVISORY PATENT EXAMINER
Art Unit 1634

SPE: Ram Shukla

PTO/SB/44 (04-05)
Approved for use through 04/30/2007. OMB 0651-0033
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : US 6,872,523 B1

APPLICATION NO.: 09/580,797

ISSUE DATE : March 29, 2005

INVENTOR(S) : Peter C. Iwen, Steven H. Hinrichs, Travis Henry

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 52: with invasive disease. Early recognition of invasive fungal
Column 2, line 48: Aspergillus fumigatus, Aspergillus flavus, Pseudallescheria
Column 2, line 61: tained in the sample; b) adding two known oligonucleotide
Column 3, line 18: probes are used in step (d each being connection to (a) a
Column 3, line 24: Penicillium spp., having the nucleotide sequence of (SEQ
Column 3, line 63: is separated from sequences with which it is immediately
Column 3, line 64: contiguous (in the 5' and 3' directions) in the naturally
Column 4, line 42: homology is set forth below (Sambrook et al., Molecular
Column 5, line 38: or similar activity to yield a primer extension product. The
Column 5, line 44: plate to prime the synthesis of the desired extension
Column 5, line 45: product, that is, to be able to anneal with the desired template
Column 5, line 50: an exact complement of the desired template. For example,
Column 6, line 46: I. Preparation of Nucleic Acid Molecules and Primers
Column 6, line 64: Inc., Valencia, CA) and protocols for crude cell lysates as
Column 7, line 16: used according to methods known in the art, such as the
Column 7, line 17: polymerase chain reaction (PCR) method.
Column 7, line 22: In accordance with the present invention, nucleic acid
Column 7, line 40: cDNA, genomic DNA, RNA, and fragments thereof which
Column 8, line 11: fungi is DNA sequence analysis, however, the methodology
Column 8, line 27: either the pathogenic nucleic acid sequence, the
Column 8, line 40: e) using PCR involving one or more primer-based
Column 9, line 68: et al. were made to optimize the amplification procedure
Column 10, line 26: purified and ligated into the PCR 2.1 plasmid vector using

MAILING ADDRESS OF SENDER (Please do not use customer number below):

DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.
1601 Market Street, Suite 2400
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Column 10, line 28: Diego, CA. Competent INV F' One Shot cells were
Column 11, line 5: Sequence Analysis
Column 11, line 36: Sequence analysis of Aspergillus specimens was per-
Column 12, line 15 of text under table: that both single nucleotide differences and short lengths of
Column 15, line 60: Abbreviations: ATCC, American Type Culture Collection; IMI, Invasive Mold Infections (UMNC); a As compared to A. fumigatus ATCC 36607. b Sequence deposited into GenBank as part of this study. c Reference strain sequenced but not deposited into GenBank.
Column 16, line 11: infectious molds from clinical samples. The number of cases
Column 16, line 60: 1 and 2 regions (21). Gaskell et al. investigated sequence
Column 18, line 24: results available within 48 h, confirmed the value of this
Column 18, line 63: facilitates the species specific identification of fungi. Addi-
Column 29, line 1 of text following addendum 1: References
Column 61, line 1: What is claimed is:
Column 61, line 4: method comprising the following steps:
Column 61, line 5: a) extracting nucleic acid material from fungi contained in
Column 61, line 9: ers consisting of SEQ ID NO:1 and the other primer
Column 61, line 10: consisting of SEQ ID NO:2, said primers bracketing a
Column 61, line 14: Aspergillus terreus (SEQ ID NO:4), Aspergillus niger
Column 61, line 15: (SEQ ID NO:5), Aspergillus nigulans (SEQ ID NO:6),
Column 61, line 20: a portion of the hypervariable region bracketed by said
Column 61, line 21: primers, said probes being selected from the group con-
Column 61, line 22: sisting of at least 15-25 contiguous nucleotides of SEQ

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Column 61, line 26: one of said fungal species from said group, to deter-
Column 61, line 27: mine whether said fungal species identified by each
Column 61, line 30: procedure in the polymerase chain reaction.
Column 61, line 39: different signal moiety or (b) a moiety which allows separ-
Column 61, line 40: ation of said probes.
Column 61, line 49: nucleic acid sequences of SEQ ID NOs: 3-8 to determine
Column 61, line 58: (SEQ ID NO: 5), Aspergillus nidulans (SEQ ID NO: 6),
Column 61, line 59: Aspergillus fumigatus (SEQ ID NO: 7), and Aspergillus
Column 61, line 60: flavus (SEQ ID NO: 8), said method comprising the step of:
Column 62, line 2: sample and amplifying said fungal nucleic acid with polymerase chain
Column 62, line 3: reaction using a primer set consisting of SEQ ID NO:
Column 62, line 7: c) comparing said restriction mapping patterns of said
Column 62, line 13: 7. A method for determining which Aspergillus species
Column 62, line 18: flavus (SEQ ID NO: 8), is present in a biological sample, said
Column 62, line 25: ID NOs: 3-8; and
Column 62, line 26: c) analyzing said permeabilized tissue sections with said
Column 62, line 30: 8. A universal primer set for amplification of a target
Column 62, line 34: GTATCCCTACCTGATCCGAGG (SEQ ID NO: 2).
Column 62, line 37: a) a universal primer set, said primer set consisting of the
Column 62, line 38: sequence of SEQ ID NO: 1 and SEQ ID NO: 2;
Column 62, line 44: d) means for contacting said released DNA with a primer
Column 62, line 53: apparatus for performing gel electrophoresis of said ampli-
Column 62, line 55: 12. A kit as claimed in claim 9, further comprising nucleic
Column 62, line 56: acids having sequences of SEQ ID NOs: 3-8.

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